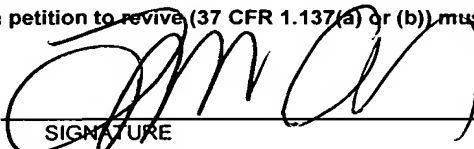


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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER KUK-06101 U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/570618
INTERNATIONAL APPLICATION NO. PCT/EP2004/011788	INTERNATIONAL FILING DATE October 19, 2004	PRIORITY DATE CLAIMED October 21, 2003
TITLE OF INVENTION Process and Bioreactor for the Cultivation and Stimulation of Three-dimensional, Vitally and Mechanically Resistant Cell-Transplants		
APPLICANT(S) FOR DO/EO/US SCHULZ, Ronny, and BADER, Augustinus		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). SIGNED 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: International Search Report		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/576,616		INTERNATIONAL APPLICATION NO. PCT/EP2004/011788		ATTORNEY'S DOCKET NUMBER KUK-06101					
The following fees have been submitted: 21. <input checked="" type="checkbox"/> Basic national fee..... \$300				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">CALCULATIONS</th> <th style="width:50%;">PTO USE ONLY</th> </tr> <tr> <td>\$ 300.00</td> <td></td> </tr> </table>		CALCULATIONS	PTO USE ONLY	\$ 300.00	
CALCULATIONS	PTO USE ONLY								
\$ 300.00									
22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)..... \$100 All other situations..... \$200				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 200.00</td> <td></td> </tr> </table>		\$ 200.00			
\$ 200.00									
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared and provided to the Office..... \$400 All other situations..... \$500				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 400.00</td> <td></td> </tr> </table>		\$ 400.00			
\$ 400.00									
TOTAL OF 21, 22 and 23 =				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 900.00</td> <td></td> </tr> </table>		\$ 900.00			
\$ 900.00									
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td></td> </tr> </table>					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 0.00</td> <td></td> </tr> </table>		\$ 0.00			
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- 100 =	/50 =		x \$250						
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$</td> <td></td> </tr> </table>		\$			
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CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$</td> <td></td> </tr> </table>		\$			
\$									
Total claims	62 - 20 =	42	x \$ 50	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 2100.00</td> <td></td> </tr> </table>		\$ 2100.00			
\$ 2100.00									
Independent claims	2 - 3 =	0	x \$200	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 0.00</td> <td></td> </tr> </table>		\$ 0.00			
\$ 0.00									
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$</td> <td></td> </tr> </table>		\$			
\$									
TOTAL OF ABOVE CALCULATIONS =				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 0.00</td> <td></td> </tr> </table>		\$ 0.00			
\$ 0.00									
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td></td> </tr> </table>					
SUBTOTAL =				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 0.00</td> <td></td> </tr> </table>		\$ 0.00			
\$ 0.00									
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$</td> <td></td> </tr> </table>		\$			
\$									
TOTAL NATIONAL FEE =				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 3000.00</td> <td></td> </tr> </table>		\$ 3000.00			
\$ 3000.00									
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 0.00</td> <td></td> </tr> </table>		\$ 0.00			
\$ 0.00									
TOTAL FEES ENCLOSED =				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 0.00</td> <td></td> </tr> </table>		\$ 0.00			
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				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Amount to be refunded:</td> <td style="width:50%;">\$</td> </tr> <tr> <td>Amount to be charged:</td> <td>\$</td> </tr> </table>		Amount to be refunded:	\$	Amount to be charged:	\$
Amount to be refunded:	\$								
Amount to be charged:	\$								
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>12-1099</u> . A duplicate copy of this sheet is enclosed. d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.									
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.									
SEND ALL CORRESPONDENCE TO: To the address associated with Customer 24131									
				SIGNATURE  Laurence A. Greenberg NAME 29,308 REGISTRATION NUMBER					

EXPRESS MAIL CERTIFICATION
UNDER 37 C.F.R. 1.10

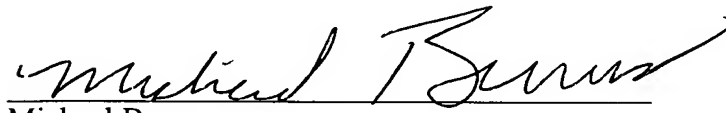
10/576618

Docket No.: KUK-06101

1AP20 Rec'd 17G7PTD 21 APR 2006

"Express Mail" mailing label number: **EV 842395615 US**
Date of Deposit: **April 21, 2006**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



Michael Burns